

Title (en)

Method for reducing power consumption in a display unit

Title (de)

Verfahren zum Reduzieren des Energieverbrauchs in einem Anzeigegerät

Title (fr)

Méthode pour réduire la consommation d'énergie dans un dispositif d'affichage

Publication

EP 0840273 A3 19990811 (EN)

Application

EP 97118110 A 19971018

Priority

FI 964356 A 19961029

Abstract (en)

[origin: EP0840273A2] The invention relates to reducing the power consumption of a display unit. In a system according to the invention, the power source (2) is switched off in the OFF mode, and only the processor control circuit (4) is in operation, in order to detect the occurrence of control signals (8). If the control circuit (4) detects a control signal, it switches an operating voltage to the microprocessor (6) from the energy supply (12) of the secondary circuit. Then the microprocessor starts the power source (2) and examines the state of the control signals (8). If the state of the control signals requires starting the system, the processor (6) starts switching the whole system into operation. The control circuit (4) can be very simple, and thus its power consumption is also very low. The power input of the control circuit can be implemented by means of passive components (22), such as large resistors, directly from the primary side. <IMAGE>

IPC 1-7

G09G 1/16

IPC 8 full level

G09G 1/00 (2006.01)

CPC (source: EP US)

G09G 1/005 (2013.01 - EP US); **G09G 2330/021** (2013.01 - EP US)

Citation (search report)

- [X] GB 2264848 A 19930908 - ICL PERSONAL SYSTEMS OY [FI]
- [A] EP 0678843 A2 19951025 - ELONEX TECHNOLOGIES INC [US]
- [A] EP 0520705 A1 19921230 - COMPAQ COMPUTER CORP [US]
- [A] EP 0510814 A1 19921028 - SEIKO EPSON CORP [JP]
- [A] US 5555167 A 19960910 - FUJIIHASHI SHIGERU [JP]

Cited by

CN106066684A; EP1054378A1; US7196700B1; US6515716B1

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0840273 A2 19980506; EP 0840273 A3 19990811; EP 0840273 B1 20011219; DE 69709292 D1 20020131; DE 69709292 T2 20020814; FI 106070 B 20001115; FI 964356 A0 19961029; FI 964356 A 19980430; US 5907480 A 19990525

DOCDB simple family (application)

EP 97118110 A 19971018; DE 69709292 T 19971018; FI 964356 A 19961029; US 95956297 A 19971028